## IAP3 Rec'dPCT/PTO 13 FEB 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

PCT/US2004/002890

Confirmation No. Unknown

Applicant (s) Filed

Myers et al. 02-03-2004 Unknown

TC/A.U. Examiner

Unknown

Title

RUBBER MODIFIED POLYMERS FROM VINYL AROMATIC

**MONOMERS** 

Docket No.

43229A 00109

Customer No.

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL WITH SUFFICIENT POSTAGE IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON:

February 8, 2006 DATE OF DEPOSIT

Amber K. Mobley

PRINT OR TYPE NAME OF PERSON SIGNING CERTIFICATE

SIGNATURE OF PERSON SIGNING CERTIFICATE

TURNING STEP DO

DATE OF SIGNATURE

**Commissioner for Patents** P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

## **INFORMATION DISCLOSURE STATEMENT**

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the Examiner's attention is directed to the information identified in the attached Form PTO/SB/08a.

The cited U.S. patents and patent application publications are listed on Form PTO/SB/08a form. A copy of the cited foreign patent documents and non-patent literature are enclosed herewith. The Examiner is requested to review each reference and formulate his/her own understanding thereof.

Respectfully submitted,

Registration No. 30,200 Phone: 989-636-8298

P. O. Box 1967 Midland, MI 48641-1967

PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitu	ute for form 1449/PTO	Complete if Known		
	NEODIATION DIGG: COURT	Application Number	PCT/US2004/002890	
	INFORMATION DISCLOSURE	Filing Date	02-03-2004	
	STATEMENT BY APPLICANT	First Named Inventor	Michael O. Myers et al.	
	(Use as many sheets as necessary)	Art Unit	Not Assigned	
(Use as many sneeds as necessary)		Examiner Name	Not Assigned	
Sheet	1 of 3	Attorney Docket Number	43229A	

Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Initials*	No.1	Number-Kind Code <sup>2</sup> (if known)	(MM-DD-YYYY)	Cited Document	Passages or Relevant Figures Appear
		US-2002/0045705 A1	04-18-2002	Lane et al.	
-		US-2727884	10-20-1955	McDonald et al.	
- <del> </del>		US-3123655	03-03-1964	Otting et al.	
		US-3346520	10-10-1967	Lee	
		US-3639522	02-01-1972	Narayana et al.	
		US-3862102	01-21-1975	Milkovich et al.	
		US-4409369	10-11-1983	Lyons et al.	
		US-4572819	02-25-1986	Priddy et al.	
		US-4585825	04-29-1986	Wesselmann	
		US-4640959	02-03-1987	Alle	
		US-4666987	05-19-1987	Burmester et al.	
		US-4717741	01-05-1988	Hahnfeld et al.	
		US-4895907	01-23-1990	Priddy et al.	
	<b></b>	US-5721320	02-24-1998	Priddy et al.	
		US-5959033	09-28-1999	Demirors et al.	
		US-6255402 B1	07-03-2001	Boutillier et al.	

Examiner	Date	
Signature	 Considered	

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known		
	INFORMATIO		SIGOL COLIDE	Application Number	PCT/US2004/002890	
INFORMATION DISCLOSURE				Filing Date	02-03-2004	
STATEMENT BY APPLICANT				First Names Inventor	Michael O. Myers et al.	
(Use as many sheets as necessary)				Art Unit	Not Assigned	
(000 00)		Examiner Name	Not Assigned			
Sheet	2	of	3	Attorney Docket Number	43229A	

Examiner Initials*	Cite	Document Number	Publication Date (MM-DD-	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	Т6
muais	No. <sup>1</sup>	Country Code <sup>3</sup> - Number-Kind Code <sup>5</sup> (if known)	YYYY)	of Cited Document	Relevant Passages or Relevant Figures Appear	
		JP07094511 B2	10-11-1995	Idemitsu Petrochem Co.	English Abstract Provided	$\dagger r$
		EP295675	06-16-1988	Bronstert et al.		╁╞
		WO96/38489	12-05-1996	Gottschalk et al.		╅
		EP240903	03-31-1987	Bronstert et al.		TĒ
						<u> </u>
						<u> </u>
·						╀
				<u> </u>		╌
						╁╞
						╁
						╁
						╁╴
~						╁
						ΤĒ
<del></del>						Ţ

Examiner	Date
Signature	Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Onde	i trie rap	Delwork Reduction Act of	r 1995, no persons are required	to respond to a collection of info	mation unless it contains a valid OMB control number.	
Substitute for form 1449/PTO				Complete if Known		
INF	ORMA	TION DISCLOS	SURF STATEMENT	Application Number	PCT/US2004/002890	
INFORMATION DISCLOSURE STATEMENT				Filing Date	02-03-2004	
		BY APPLIC	CANT	First Named Inventor	Michael O. Myers et al.	
		(Use as many sheets a	as necessary)	Art Unit	Not Assigned	
				Examiner Name	Not Assigned	
Sheet	3	43229A	3	Attorney Docket Number	43229A	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т6
		"Polybutadiene Hydroperoxide by Singlet Oxygen: Its Grafting and Morphology in Polystyrene Matrix", Journal of Applied Polymer Science, Vol. 31, 1827-1842 (1986) by Peng	
Examiner	T /	leffrey Mullis/ Date 09/16/2008	

This collection of information is required 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformation with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (option). <sup>2</sup>Applicant is to place a check mark here in English language Translation is attached.